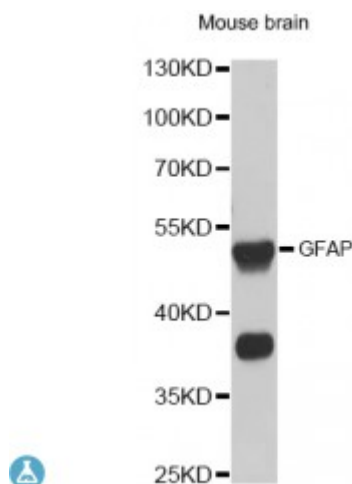


## Anti-GFAP Antibody



### Description

This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

|                           |                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>              | STJ116876                                                                                                             |
| <b>Host</b>               | Rabbit                                                                                                                |
| <b>Reactivity</b>         | Human, Mouse                                                                                                          |
| <b>Applications</b>       | IF, IHC, WB                                                                                                           |
| <b>Immunogen</b>          | A synthetic peptide corresponding to a sequence within amino acids 300 to the C-terminus of human GFAP (NP_002046.1). |
| <b>Gene ID</b>            | <a href="#">2670</a>                                                                                                  |
| <b>Gene Symbol</b>        | <a href="#">GFAP</a>                                                                                                  |
| <b>Dilution range</b>     | WB 1:500 - 1:2000<br>IHC 1:50 - 1:200<br>IF 1:50 - 1:200                                                              |
| <b>Tissue Specificity</b> | Expressed in cells lacking fibronectin                                                                                |
| <b>Purification</b>       | Affinity purification                                                                                                 |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                          |
| <b>Protein Name</b>       | Glial fibrillary acidic protein GFAP                                                                                  |

|                                         |                                                                                                                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>                 | 49.88 kDa                                                                                                                                                                      |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                     |
| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                   |
| <b>Isotype</b>                          | IgG                                                                                                                                                                            |
| <b>Formulation</b>                      | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                              |
| <b>Storage Instruction</b>              | Store at -20C. Avoid freeze / thaw cycles.                                                                                                                                     |
| <b>Database Links</b>                   | <a href="#">HGNC:4235OMIM:137780Reactome:R-HSA-1251985</a>                                                                                                                     |
| <b>Alternative Names</b>                | Glial fibrillary acidic protein GFAP                                                                                                                                           |
| <b>Function</b>                         | GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells |
| <b>Cellular Localization</b>            | Cytoplasm,                                                                                                                                                                     |
| <b>Post-translational Modifications</b> | Phosphorylated by PKN1,                                                                                                                                                        |

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